

Title (en)  
Sweeper device

Title (de)  
Wischgerät

Title (fr)  
Dispositif pour balayer

Publication  
**EP 0782835 A2 19970709 (EN)**

Application  
**EP 96870159 A 19961219**

Priority  
JP 34369095 A 19951228

Abstract (en)  
A sweeper device comprising a plate-like head, a stick mounted on an upper surface of the head and a sweeping sheet detachably attached to the head to cover a lower surface of the head. The head is provided along and outside at least a pair of side walls extending transversely thereof with elastic side walls so that a sweeping sheet can be attached onto a bottom of the head in a tension state of the sweeping sheet. <IMAGE>

IPC 1-7  
**A47L 13/256**

IPC 8 full level  
**A47L 13/24** (2006.01); **A47L 13/254** (2006.01); **A47L 13/256** (2006.01)

CPC (source: EP KR US)  
**A47L 13/254** (2013.01 - KR); **A47L 13/256** (2013.01 - EP US)

Cited by  
US11439290B2; DE19921661A1; EP1514507A3; EP2534994A4; US6681439B1; WO0112053A1

Designated contracting state (EPC)  
BE DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0782835 A2 19970709; EP 0782835 A3 19980902; EP 0782835 B1 20030423**; CA 2193045 A1 19970629; CA 2193045 C 19991228; CN 1122498 C 20031001; CN 1158238 A 19970903; DE 69627620 D1 20030528; DE 69627620 T2 20040212; ES 2194093 T3 20031116; JP 3170442 B2 20010528; JP H09182706 A 19970715; KR 100457706 B1 20050406; KR 970032729 A 19970722; MY 117991 A 20040830; TW 309416 B 19970701; US 5845361 A 19981208

DOCDB simple family (application)  
**EP 96870159 A 19961219**; CA 2193045 A 19961216; CN 96114095 A 19961227; DE 69627620 T 19961219; ES 96870159 T 19961219; JP 34369095 A 19951228; KR 19960074293 A 19961228; MY PI9605346 A 19961219; TW 85115586 A 19961217; US 76844396 A 19961218